Amendments to the claims:

1 through 9 (Previously Cancelled)

10. (Previously Presented) A purified ManA polypeptide having a sequence of SEQ ID NO: 1.

11. (Previously Presented) The purified ManA polypeptide of claim 10 further defined as having its encoding nucleotide sequence the same as SEQ ID NO: 2.

12 through 25. (Previously Cancelled)

26 through 34 (Cancelled).

35-42. (Previously Cancelled)

43 through 68 (Cancelled)

69. (Currently Amended) ~~The composition of claim 66~~ A purified mannanase A peptide composition, the mannanase peptide comprising a catalytic domain, a carbohydrate binding domain III, and a carbohydrate binding domain II in that order,

the catalytic domain further defined as having a length of about 370 to about 380 amino acids;

wherein the ~~GH5~~ catalytic domain is further defined as having a ~~the~~ sequence of SEQ ID NO: 3.

70. (Currently Amended) ~~The composition of claim 66~~ A purified mannanase A peptide composition, the mannanase peptide comprising a catalytic domain belonging to glycoside hydrolase family 5 , a carbohydrate binding domain III, and a carbohydrate binding domain II in that order,

the catalytic domain further defined as having a length of about 370 to about 380 amino acids;

wherein the carbohydrate binding domain III is further defined as the sequence of SEQ ID NO: 4.

71. (Currently Amended) ~~The composition of claim 66~~ A purified mannanase A peptide, the mannanase peptide comprising a catalytic domain belonging to glycoside hydrolase family 5, a carbohydrate binding domain III, and a carbohydrate binding domain II in that order,

the catalytic domain further defined as having a length of about 370 to about 380 amino acids;

wherein the carbohydrate binding domain II is further defined as the sequence of SEQ ID NO: 5.

72. (Currently Amended) ~~The composition of claim 66~~ A purified mannanase A peptide, the mannanase peptide comprising a catalytic domain belonging to glyoside hydrolase family 5, a carbohydrate binding domain III, and a carbohydrate binding domain II in that order,

the catalytic domain further defined as having a length of about 370 to about 380 amino acids;

wherein the carbohydrate binding domain III has a sequence of SEQ ID NO: 4, and the carbohydrate binding domain II has a sequence of SEQ ID NO: 5.

73. (Canceled)